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Mayo Clinic: Alix School of Medicine and Family Medicine Residency

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AT A GLANCE

- Mayo Clinic operates hospitals and clinics on major campuses in Rochester, Minnesota; Scottsdale and Phoenix, Arizona; and Jacksonville, Florida. In addition, the Mayo Clinic Health System has more than 70 locations serving communities in rural Minnesota, Iowa and Wisconsin.
- Combining 2022 and 2023 calendar years, more than 908,000 patients were served in Rochester, as well as 630,000 patients served throughout Mayo Clinic Health System across southern Minnesota.
- Total expenditure toward the educational mission of Mayo Clinic was \$514.8 million in 2023.
- Capitation funds are used for tuition grants for Minnesota residents attending Mayo Clinic Alix School of Medicine and for Family Medicine resident salaries.
- Minnesota residents have comprised 19% of Mayo Clinic Alix School of Medicine students.
- On average, Mayo Clinic Alix School of Medicine graduates have 68% of debt compared to the typical U.S. medical school graduates.
- From 1978 to present, 321 trainees have graduated from the Rochester Family Medicine Residency.
- Since the Family Medicine-Mankato Residency program transitioned to the Mayo Clinic School of Graduate Medical Education sponsorship in 2022, the program has had nine graduates.
- Forty-four percent (44%) of Family Medicine-Rochester program graduates chose to stay in Minnesota, with 38% of total graduates practicing in rural Minnesota. Of the nine Mankato graduates, 100% have remained in Minnesota, with 78% of those practicing in rural Minnesota.

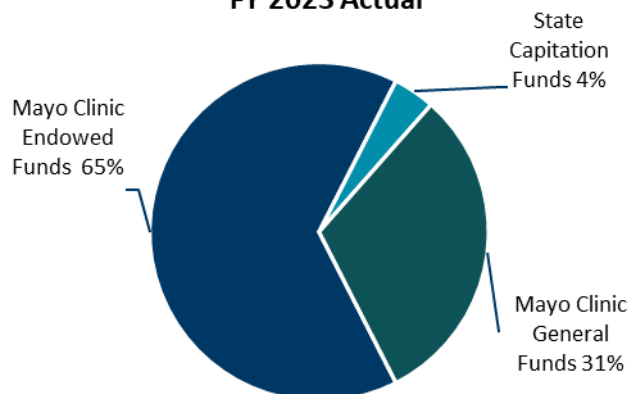
PURPOSE

The mission of Mayo Clinic Alix School of Medicine is to provide an outstanding medical education that results in an inspired and diverse workforce of physicians and scientists who are leaders in advancing exemplary, equitable, and affordable clinical care; healthcare system design; and related innovation; and to alleviate human suffering and best serve critical health needs of our broadly diverse and increasingly connected nation and world.

The Mayo Clinic School of Graduate Medical Education Family Medicine residency programs educate and inspire medical school graduates to pursue careers as family physicians with emphasis on rural primary care augmented by subspecialty training.

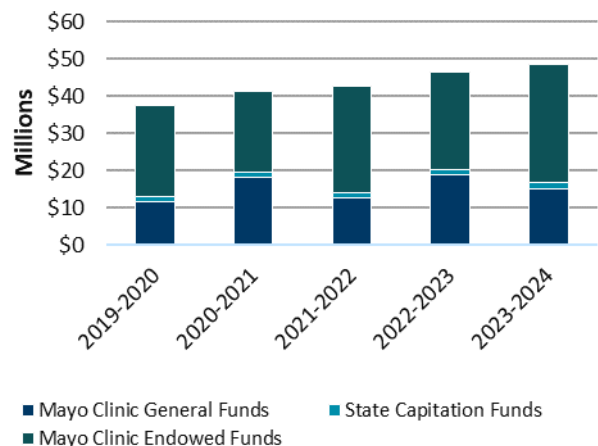
BUDGET

Spending by Program
FY 2023 Actual



Total Expenditure in 2023-2024: \$48,418,300
Source: Mayo Clinic Education Finance Department

Historical Spending



Source: Mayo Clinic Education Finance Department

The overall operating expenses in 2023-2024 for the Mayo Clinic Alix School of Medicine and the Family Medicine Residency Program were \$48,418,300. State Capitation of \$1,799,000 represents 3.7% of the overall operating expenses.

STRATEGIES

The State Capitation funds are used in direct support for the Minnesota residents attending Mayo Clinic Alix School of Medicine (MCASOM). As of July 2024, 19% of the matriculants to MCASOM were Minnesota residents. In the past five years, 40% of MCASOM graduates have chosen a career in primary care. Primary care includes Family Medicine, Internal Medicine, Obstetrics and Gynecology, Pediatrics, and Psychiatry. To accomplish this, MCASOM recruits and matriculates high achieving Minnesota undergraduate students who aspire to serve society as physicians by assuming leadership roles in medical practice, education, and research. MCASOM offers students opportunities to experience clinical rotations in regional and rural practices. MCASOM remains committed to and focused on containing educational costs for students below the median for private medical schools and mitigating educational debt, which allows students to choose a career in primary care.

The Mayo Clinic School of Graduate Medical Education Family Medicine (Rochester and Mankato) residency training programs prepare prospective family physicians for primary care medicine in all settings, with special emphasis on population health, team-based care, and a practice orientation towards rural and smaller communities. The residents-in-training gain extensive experience in ambulatory, primary, and continuity care to patients. The residents participate fully in the department's population management initiatives to improve quality and decrease costs of employee/dependent healthcare. The three-year Family Medicine training program was established in 1978, beginning with four residents. It currently has a maximum of 27 resident training positions. Over time it has grown in size and success, with all training positions filled for the past 42 years. The Minnesota capitation appropriation has supported residents' training stipends since 1978.

SERVICES PROVIDED

In 2009, Mayo Clinic Alix School of Medicine (MCASOM) launched the REACH Clinic in conjunction with the Rochester Area Salvation Army's Good Samaritan Health Clinic (GSHC). The GSHC is a program for residents of Olmsted County and adjacent counties who do not have insurance or are underinsured, and is staffed by volunteer physicians, pharmacists, nurses, other healthcare professionals, and medical students. There were 44 REACH clinic days in 2022, serving 326 patients.

Successful physicians of the future not only need to understand the traditional basics of medicine, but also need to understand and effectively navigate the rapidly changing healthcare delivery system. The goal of MCASOM's Science of Healthcare Delivery curriculum is to produce physicians that understand and can improve systems of care to create superior patient outcomes at lower costs.

By 2050, one out of every five Americans will be over the age of 65. In turn, all members of the health care team must be well-equipped to provide patient-centered, safe, compassionate, competent care to the burgeoning population of older adults. MCASOM's Senior Sage Program focuses on preparing medical students to provide this care to aging Minnesotans by pairing each student with an expert (i.e., Senior Sage) for unique learning opportunities over the four-year longitudinal course.

The Rochester-based Family Medicine residency has a family medicine clinic focused on rural health, based in Kasson, Minnesota, and serves communities in Dodge and Olmsted County. The Mayo Family Clinic Kasson serves people of all ages and provides family-oriented comprehensive care, including obstetrical care and well-woman care, newborn and well-child care, pediatrics, and adult/geriatric care. Patients include significant socioeconomic diversity with many Spanish-speaking patients. Residents engage in patient home visits and community education in local schools. Dodge County community health priorities addressed by the Family Medicine residents include obesity, mental health, tobacco use, substance abuse, and motor vehicle injury protection. The community health

priorities residents address in Olmsted County includes motor vehicle injury protection, vaccine preventable diseases, obesity, mental health, and financial stress. Through training and experiences, residents learn the social determinants of health and the effects on patient care.

The Mankato Family Medicine residency is a community- and region-based health care facility. Residents collaborate with health care providers, community members, and community-based organizations to assess social determinants of health to improve community health. Residents are actively engaged in community gardens addressing food insecurity, nursing home care and home visits, development and delivery of health education for infants and adolescents, and a host of other commitments. With the growing needs for mental health care throughout Minnesota, the residency has added focused training on addiction medicine for all residents during their first year.

RESULTS

Measure name	Measure type	Measure data source	Historical trend	Most recent data
Percent of Mayo Clinic Alix School of Medicine (MCASOM) students who were Minnesota Residents	Quantity	Data is collected from students at matriculation and provided by Mayo Clinic Alix School of Medicine (MCASOM), Student Affairs	MCASOM continues to matriculate highly talented Minnesota residents. However, the number of students from Minnesota has been declining due to increasingly competitive admission standards.	39/206 = 19%
Percent of MCASOM graduates who chose to practice in primary care	Quantity	Utilize National Resident Matching Program (NRMP) Match Results for MCASOM graduates entering primary care residencies	There has been a slight decrease in the number of MCASOM graduates entering primary care over the last two years. However, the overall percentage remains above 25%.	28/98 = 28.5%
Percent of debt MCASOM graduates have compared to the national average of \$200,000	Quantity	Provided from Mayo Clinic College of Medicine and Science (MCCMS), Director of Financial Aid	MCASOM continues to graduate students with significantly less educational debt than the national average.	The MCASOM average debt of borrowers was \$136,800 with the average debt reported by the AAMC as \$200,000.
Percent of Rochester Family Medicine Residency Graduates practicing in Minnesota	Quantity	Provided by the Rochester Family Medicine Residency Education Program Coordinator	Steady Trend	140/321 = 44%
Percent of Rochester Family Medicine Residency Graduates practicing in rural Minnesota	Quantity	Provided by the Rochester Family Medicine Residency Education Program Coordinator	Steady Trend	50/140 = 38%

Measure name	Measure type	Measure data source	Historical trend	Most recent data
Percent of Mankato Family Medicine Residency Graduates practicing in Minnesota	Quantity	Provided by the Mankato Family Medicine Residency Education Program Coordinator	N/A (new program for Mayo Clinic School of Graduate Medical Education)	9/9 = 100%
Percent of Mankato Family Medicine Residency Graduates practicing in rural Minnesota	Quantity	Provided by the Mankato Family Medicine Residency Education Program Coordinator	N/A (new program for Mayo Clinic School of Graduate Medical Education)	7/9 = 78%

(Dollars in Thousands)

	Actual FY22	Actual FY23	Actual FY24	Estimate FY25	Forecast Base	
					FY26	FY27

Expenditures by Fund

1000 - General	1,351	1,351	1,799	1,799	1,799	1,799
Total	1,351	1,351	1,799	1,799	1,799	1,799
Biennial Change				896		0
Biennial % Change				33		0

Expenditures by Program

Mayo Medical School	665	665	665	665	665	665
Mayo Family Practice	686	686	1,134	1,134	1,134	1,134
Total	1,351	1,351	1,799	1,799	1,799	1,799

Expenditures by Category

Grants, Aids and Subsidies	1,351	1,351	1,799	1,799	1,799	1,799
Total	1,351	1,351	1,799	1,799	1,799	1,799

(Dollars in Thousands)

	Actual FY22	Actual FY23	Actual FY24	Estimate FY25	Forecast Base	
					FY26	FY27
1000 - General						
Direct Appropriation	1,351	1,351	1,799	1,799	1,799	1,799
Expenditures	1,351	1,351	1,799	1,799	1,799	1,799
Biennial Change in Expenditures				896		0
Biennial % Change in Expenditures				33		0

(Dollars in Thousands)

	FY25	FY26	FY27	Biennium 2026-27
Direct				
Fund: 1000 - General				
FY2025 Appropriations	1,799	1,799	1,799	3,598
Forecast Base	1,799	1,799	1,799	3,598